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MONTANA OIL AND GAS STATISTICAL BULLETIN

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PRODUCTION STATUS

Production of crude oil and condensate from oil and gas areas of Montana for the month of November, 1979 averaged 86,506 barrels daily, an increase of 1,855 barrels from the average 84,651 production in October, 1979.

The six refineries in the state processed 142,784 barrels of crude oil daily for the month of November 1979, an increase of 8,047 barrels from the 134,737 barrels processed daily during the month of October, 1979.

During November, 80 wells were completed, 35 oil, 16 gas, and 29 dry holes.

During November, the board issued 91 permits to drill new wells, a decrease of 48 from the 139 permits issued during October, 1979.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF NOVEMBER, 1979

IN STORAGE, NOVEMBER 1st	
By Producers	369,595
By Transporters	1,603,475
By Refiners	649,202
TOTAL STORAGE	2,622,272
Produced in Mont. During Month	2,595,182
Imported During Month	3,583,932
TOTAL	8,801,386
DISPOSITION	
Refined in Montana	4,283,526
Exported	1,831,012
Used For Fuel or Lost	11,809
TOTAL	6,126,347
IN STORAGE, NOVEMBER 30th	
By Producers	372,621
By Transporters	1,617,447
By Refiners	684,971
TOTAL STORAGE	2,675,039

REFINERS MONTHLY REPORT NOVEMBER, 1979

Company	Beginning Storage	Montana Oil	N. Dakota Oil	Wyoming Oil	Canada Oil	Refined	Ending Storage
Continental Oil Co.	227,253	271,448	—	331,986	940,145	1,530,191	241,481
Exxon Company	221,668	34,404	—	801,263	489,935	1,402,596	144,674
Farmers Union	170,351	52,644	—	401,314	564,259	926,143	262,425
Kenco Refining	10,516	92,759	—	—	—	92,950	10,325
Philips Petroleum	7,060	127,331	—	—	55,030	183,626	5,795
Wesco Refining Co.	12,354	155,937	—	—	—	148.020	20,271
Totals	649,202	734,523	—	1,534,563	2,049,369	4,283,526	684,971

AVERAGE BARRELS RECEIVED PER DAY

	Montana	N. Dakota	Wyoming	Canada	Total
Year, 1978	24,240	190	47,982	58,545	130,957
November, 1978	27,429	32	49,036	60,536	137,033
November, 1979	24,484	—	51,152	68,312	143,948

PERCENTAGE OF CRUDE OIL RECEIVED

	Montana	N. Dakota	Wyoming	Canada
Year, 1978	18.51%	.14%	36.64%	44.71%
November, 1978	20.02%	.02%	35.78%	44.18%
November, 1979	17.01%	.00%	35.53%	47.46%

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PRODUCER'S REPORT — MONTH OF NOVEMBER, 1979

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Anvil	1	807	13,318	12,940	—	1,185
5	Arch Apex	6	1,111	976	468	—	1,619
2	Ash Creek	3	422	739	931	—	230
—	Bainville	—	1,117	(70)	743	—	304
3	Bainville, North	3	2,591	7,522	8,333	—	1,780
1	Bainville, West	1	993	634	624	—	1,003
5	Bannatyne	12	145	608	452	—	301
6	Bears Den	7	2,179	947	895	—	2,231
15	Bell Creek	154	13,171	465,569	467,001	—	11,739
—	Benrud	—	124	—	—	—	124
3	Benrud, East	3	1,118	5,603	5,018	—	1,703
1	Benrud, Northeast	1	425	1,075	755	—	745
1	Berthelote	1	174	94	—	—	268
2	Big Gully	2	158	356	390	—	124
1	Big Gully, North	1	154	423	442	—	135
3	Big Muddy Creek	3	1,489	4,923	3,901	—	2,511
5	Big Wall	16	1,077	16,485	16,373	—	1,189
1	Big Wall, North	1	167	68	—	—	235
1	Blackfoot	6	434	1,577	1,630	—	381
1	Blue Hill	1	1,168	1,571	1,905	—	834
5	Border	9	721	838	603	—	956
1	Boulder	1	422	607	669	—	360
1	Bowes	54	3,559	10,233	10,041	—	3,751
2	Bradley	2	695	575	622	—	648
1	Brady	1	—	235	235	—	—
2	Breed Creek	4	718	11,563	11,567	—	714
6	Brorson-Madison	6	1,804	3,053	2,835	—	2,022
2	Brorson-Red River	2	4,718	1,489	1,470	—	4,737
4	Brorson-Red River, South	4	2,390	7,110	7,570	—	1,930
5	Brush Lake	5	919	5,360	4,876	—	1,403
2	Burns Creek	2	845	476	362	—	959
2	Cabin Creek	80	—	132,935	132,935	—	—
2	Canal	2	611	2,918	2,236	—	1,293
2	Carlyle	2	836	2,923	2,812	—	947
10	Cat Creek	60	1,352	6,434	6,257	(397)	1,926
2	Charlie Creek	2	1,056	11,419	11,290	—	1,185
1	Clark's Fork	1	49	86	—	—	135
2	Clark's Fork, North	2	622	577	629	—	570
1	Clark's Fork, South	1	210	9	—	—	219
6	Clear Lake	10	3,866	28,248	28,692	—	3,422
1	Coalridge	1	1,049	1,541	2,353	—	237
1	Colored Canyon	1	514	3,758	3,972	—	300
—	Conrad, South	—	90	—	—	—	90
1	Cow Creek	1	99	380	376	—	103
9	Cow Creek, East	11	4,293	12,031	11,879	—	4,445
1	Crane	1	536	2,748	2,246	—	1,038
2	Culbertson	2	871	4,399	4,327	—	943
6	Cupton	8	6,552	12,028	14,433	—	4,147
91	Cut Bank	895	35,153	117,946	117,360	512	35,227
1	Dagmar	2	976	4,922	5,403	—	495
1	Dean Dome	1	761	774	446	—	1,089
1	Deer Creek	1	452	506	466	—	492
1	Delphia	1	298	373	493	—	178
—	Devils Basin	—	114	—	—	—	114
1	Divide	1	318	2,668	2,544	—	442
5	Dry Creek	5	1,051	1,667	1,709	—	1,009
1	Dry Creek, West	1	690	270	443	—	517
2	Dwyer	10	4,317	10,205	11,501	—	3,021
3	Eagle	3	1,362	3,019	2,882	—	1,499
3	Elk Basin	54	434	81,184	81,190	—	428
2	Elk Basin, Northwest	4	1,105	1,254	1,151	—	1,208
3	Enid, North	3	850	2,104	2,081	—	873
4	Fairview	9	6,775	13,132	13,240	—	6,667
1	Fertile Prairie	1	563	556	661	—	458
3	Flat Coulee	19	1,282	12,479	12,273	—	1,488
7	Flat Lake	48	2,380	44,193	43,560	—	3,013
4	Flat Lake, South	4	899	3,081	2,724	—	1,256
2	Fort Gilbert	3	465	2,802	2,591	—	676
1	Four Mile Creek	1	1,311	3,547	3,450	—	1,408
1	Four Mile Creek, West	2	1,147	6,580	6,650	—	1,077
1	Fox Creek	1	450	1,923	2,127	—	246
—	Fox Creek, North	—	1,290	—	—	—	1,290
1	Frannie	1	—	450	450	—	—
10	Fred and George Creek	31	4,731	30,799	30,363	—	5,167
1	Frog Coulee	1	467	4,148	4,088	—	527
1	Froid, South	1	902	821	759	—	964
—	Gage	—	56	—	—	—	56
3	Gas City	11	3,731	9,785	11,666	—	1,850
—	Girard	—	249	—	—	—	249
12	Glendive	15	2,887	16,078	17,372	—	1,593
—	Golden Dome	—	331	—	—	—	331
12	Goose Lake	31	2,648	19,268	19,378	—	2,538
11	Graben Coulee	39	3,495	3,247	3,524	—	3,218
1	Grandview, East	2	543	315	228	—	630
1	Gumbo Ridge	4	699	2,903	3,419	—	183
4	Gypsy Basin	9	1,739	1,094	1,148	160	1,525
—	Hay Creek-Mission	—	493	—	78	—	415
2	Hay Creek-Red River	2	1,403	3,430	2,610	—	2,223
4	Hiawatha	4	2,204	2,209	2,000	—	2,413
1	Hibbard	1	268	107	209	—	166
8	High Five	13	3,872	18,227	18,062	448	3,589
2	Highview	2	286	348	475	(185)	344
1	Horse Creek	1	173	100	—	—	273
2	Howard Coulee	2	445	593	613	16	409
4	Ivanhoe	9	1,452	1,809	2,544	(167)	884
—	Jackass Butte	—	393	—	—	—	393
2	Jim Coulee	14	2,266	14,014	14,540	—	1,740
2	Katy Lake, North	2	1,702	29,427	29,230	—	1,899
6	Keg Coulee	16	3,479	5,926	5,066	19	4,320
3	Keg Coulee, North	3	771	2,015	856	1	1,929
1	Kelley	3	233	1,210	1,344	—	99
114	Kevin Sunburst	551	14,334	32,284	31,696	95	14,827
1	Laird Creek	7	724	602	511	—	815
—	Laurel	—	530	—	—	—	530
5	Leary	5	1,705	3,164	3,153	23	1,693
2	Little Beaver	23	116	35,074	35,074	—	116
2	Little Beaver, East	9	1,524	10,459	9,934	—	2,049
14	Little Wall Creek	19	4,150	14,632	14,444	64	4,274

Leases	Field	No of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Lodge Grass	1	522	557	419	—	660
2	Lone Butte	2	764	2,305	2,233	—	836
9	Lonetree Creek	10	5,188	22,267	21,208	—	6,247
1	Long Creek	1	226	454	511	—	169
2	Long Creek, West	2	719	4,181	4,018	—	882
3	Lookout Butte (Coral Creek)	30	769	51,255	51,324	—	700
8	Mason Lake	12	1,639	16,581	16,222	—	1,998
1	Mason Lake, North	1	310	29	230	—	109
1	McCabe	1	298	1,677	1,513	—	462
4	Medicine Lake	6	5,167	37,019	37,391	—	4,795
4	Melstone	8	1,250	12,077	12,172	—	1,155
—	Mineral Bench	—	566	—	—	—	566
2	Miners Coulee	2	323	223	—	—	546
31	Mon Dak West	31	12,284	98,758	98,197	—	12,845
9	Monarch	14	3,101	9,497	9,643	—	2,955
3	Mosser	10	—	521	521	—	—
1	Nohly	2	452	4,631	4,374	—	709
1	North Fork	2	806	2,899	2,599	—	1,106
2	Otis Creek	2	1,656	2,470	2,775	209	1,142
5	Outlook	6	2,156	17,499	17,152	—	2,503
1	Outlook, South	1	1,205	635	—	—	1,840
1	Outlook, West	1	1,970	282	361	—	1,891
1	Oxbow	1	1,352	4,502	4,196	—	1,658
1	Pelican	1	197	1,801	1,468	—	530
1	Pennel	115	1,024	256,653	255,629	—	2,048
1	Pete Creek	1	110	262	157	—	215
2	Phantom	3	1,749	1,732	2,031	—	1,450
4	Pine	98	13,870	171,079	172,059	—	12,890
67	Pondera	290	8,014	23,706	24,344	—	7,376
1	Pondera Coulee	1	—	637	637	—	—
6	Poplar	62	4,429	17,981	17,902	—	4,508
11	Poplar, Northwest	16	3,642	9,454	9,273	—	3,823
1	Prairie Elk	1	673	256	535	—	394
1	Prichard Creek	4	337	359	345	—	351
12	Putnam	13	5,603	49,266	50,122	—	4,747
2	Rabbit Hills	2	2,145	3,820	3,981	—	1,984
10	Ragged Point	24	3,721	3,977	3,932	2	3,764
2	Rattler Butte	2	485	1,499	1,545	—	439
2	Rattlesnake Coulee	2	773	204	710	—	267
2	Raymond	9	2,535	30,805	30,420	—	2,920
1	Raymond, Northeast	1	224	293	—	—	517
4	Reagan	59	266	22,534	22,528	—	272
1	Red Creek	20	—	6,312	6,312	—	—
1	Red Fox	1	217	240	231	—	226
1	Redstone	1	294	445	366	—	373
1	Refuge	1	394	5,093	5,222	—	265
1	Repeat	1	215	1,073	1,073	—	215
3	Reserve	3	2,361	2,750	3,588	—	1,523
2	Richey	3	395	700	700	—	395
1	Richey, Southwest	4	208	629	382	—	455
2	Ridgelawn	2	731	4,489	4,707	—	513
2	RipRap Coulee	2	1,137	1,407	1,088	—	1,456
1	Rocky Point	1	431	2,371	2,232	—	570
1	Roscoe Dome	1	291	182	161	—	312
4	Rosebud	4	1,495	1,355	1,983	—	867
1	Rudyard	1	702	356	231	—	827
1	Rush Mountain	1	589	1,595	1,598	—	586
2	Salt Lake	3	1,096	1,545	2,056	—	585
2	Sand Creek	3	318	906	906	—	318
4	Second Creek	4	984	7,340	7,170	—	1,154
2	Sheepherder	3	674	388	649	(4)	417
1	Shotgun Creek, North	1	610	742	1,025	—	327
14	Sidney	14	3,815	22,143	21,184	—	4,774
—	Singletree	—	295	—	—	—	295
7	Sioux Pass	7	2,974	12,934	11,617	—	4,291
1	Sioux Pass, East	1	173	1,012	989	—	196
5	Sioux Pass, Middle	5	3,008	14,978	14,879	—	3,107
7	Sioux Pass, North	7	5,152	19,432	20,431	—	4,153
1	Snyder	3	112	515	573	—	54
9	Soap Creek	25	2,071	4,982	4,503	—	2,550
2	Soap Creek, East	3	603	1,103	1,104	—	602
3	South Fork	3	1,328	13,279	12,909	—	1,698
1	Spring Lake	1	468	650	—	—	1,118
1	Stensvad	3	2,024	266	—	—	2,290
31	Sumatra	100	6,990	129,238	128,641	(245)	7,832
3	Sunnyhill	3	682	1,597	1,854	—	425
—	Tippy Buttes	—	56	—	—	—	56
5	Tule Creek	5	1,963	8,388	8,137	—	2,214
1	Tule Creek, East	1	1,128	680	755	—	1,053
2	Tule Creek, South	3	640	728	438	—	930
5	Utopia Swift	13	1,013	4,697	4,358	—	1,352
13	Vaux	13	6,592	22,851	22,740	—	6,703
—	Vida	—	124	—	—	—	124
5	Volt	6	2,681	7,184	6,804	—	3,061
1	Wagon Box	1	323	32	220	—	135
1	Weed Creek	1	495	628	806	—	317
1	Weldon	1	837	1,049	1,271	—	615
1	West Butte	1	372	495	706	—	161
31	Whitlash	74	12,392	13,153	13,067	—	12,478
1	Whitlash, West	1	422	115	115	—	422
2	Willow Creek, North	2	530	703	690	—	543
1	Willow Ridge	3	—	400	400	—	—
3	Wills Creek, South	3	—	2,931	2,931	—	—
2	Winnett Junction	6	319	6,572	6,480	—	411
3	Wolf Springs	4	1,780	1,627	684	—	2,723
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	248	1,138	1,105	—	281
2	Wright Creek	3	1,611	908	1,110	—	1,409
—	Wildcat, McCone County	—	52	—	—	—	52
2	Wildcat, Richland County	2	319	268	—	—	587
3	Wildcat, Sheridan County	3	1,870	5,725	5,880	—	1,715
1	Wildcat, Teton County	1	135	112	—	—	247
—	Wildcat, Toole County	—	200	—	—	—	200
940	TOTALS	3,631	369,595	2,595,182	2,591,605	551	372,621

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60°F.—MONTH OF NOVEMBER, 1979

Field	MCF
NATURAL:	
Alma	—
Arch Apex	27,609
Badlands	36,890
Barker Area	39,204
Battle Creek	242,380
Bear's Den	5,097
Big Coulee	123,716
Big Rock	57,941
Black Coulee	3,182
Blackjack	21,929
Bowdoin & Area	822,696
Bowes	78,754
Brown's Coulee	—
Bullwacker & Area	129,391
Canadian Coulee & Area	71,542
Cedar Creek	146,005
Chain Lakes	1,640
Chip Creek	2,313
Clark's Fork, North	3
Coal Coulee	5,099
Cut Bank	365,610
Dry Creek	112,199
Dry Creek, Middle	2,145
Dunkirk North	28,022
East Chinook	4,990
Flat Coulee	11,756
Fred & George	13,025
Fresno & Area	6,259
Gold Butte	447
Grandview	22,630
Gypsy Basin	109,777
Hardin	2,350
Haystack Butte	12,869
Highview	8,227
Keith Block	41,433
Kevin Sunburst	70,693
Kevin Sunburst Niski & Area	21,224
Kicking Horse	16,182
Kinyon Coulee Area	5,471
Lake Basin	80,033
Ledger	25,288
Leroy	75,487
Liscom Creek	15,444
Lohman	7,148
Marias River	15,098
Middle Butte	24,065
Miners Coulee	14,495
Mt. Lilly	673
Phantom	56,862
Plevna	2,804
Prairie Dell	63,983
Pumpkin Creek	—
Rapelje	14,718
Rocky Boy Area	8,748
Rudyard	54,882
Sage Creek	22,416
Sawtooth Mountain & Area	114,484
Sherard	67,128
Snoose Coulee	8,195
South Devon	11,444
Strawberry Creek Area	2,920
Swanson Creek	3,753
Three Mile	1,197
Tiger Ridge	1,478,950
Trail Creek	—
Utopia	42,923
West Butte	—
Whitlash	70,415
Williams	45,396
Willow Ridge	13,703
TOTAL NATURAL GAS	5,013,352

Field	MCF
ASSOCIATED:	
Anvil	8,605
Bell Creek	29,722
Big Muddy Creek	4,784
Blue Hill	151
Cabin Creek	29,620
Charlie Creek	—
Clark's Fork South	4,341
Clear Lake	6,970
Colored Canyon	2,040
Culbertson	4,704
Dagmar	2,914
Eagle	431
Elk Basin	10,279
Fairview	14,758
Four Mile Creek	3,093
Four Mile Creek, West	3,582
Glendive	—
Katy Lake, North	14,581
Lookout Butte (Coral Creek)	6,850
Medicine Lake	22,386
Mon Dak West	51,881
Otis Creek	633
Pennel	21,738
Pine	6,525
Refuge	1,692
Richland	54,254*
Single Tree	—
Sioux Pass	35,557
Sioux Pass, East	1,340
Sioux Pass, Middle	6,051
Sioux Pass, North	12,980
Sumatra	—
Tule Creek	—
Vaux	923
TOTAL ASSOCIATED GAS	363,385
TOTAL WITHDRAWALS	5,376,737

Total withdrawals for November, 1978 were 4,350,364 MCF.

*Includes such fields as Benrud, Brorson, Ft. Gilbert, Hay Creek, Lone Butte, Lonetree, Red Fox & Second Creek.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1978	30,467,337	83,472	30,316,941	83,060
1st Quarter, 1979	6,992,797	77,698	7,014,545	77,939
2nd Quarter, 1979	7,450,412	81,873	7,448,554	81,852
3rd Quarter, 1979	7,713,544	83,843	7,684,932	83,532
October, 1979	2,624,172	84,651	2,650,399	85,497
November, 1979	2,595,182	86,506	2,591,605	86,387

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1978	428,559	1,432,743	935,266	2,796,568
March, 1979	403,818	1,425,052	860,312	2,689,182
June, 1979	397,439	1,478,422	906,150	2,782,011
September, 1979	398,522	1,701,382	630,042	2,729,946
October, 1979	369,595	1,603,475	649,202	2,622,272
November, 1979	372,621	1,617,447	684,971	2,675,039